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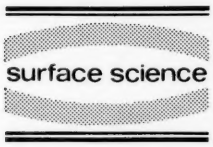

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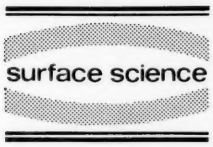

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F. Hirler, R. Küchler, R. Strenz, G. Abstreiter, G. Böhm, J. Smoliner, G. Tränkle and G. Weimann, Spatially direct and indirect optical transitions in shallow etched GaAs/AlGaAs quantum wires 263 (1992) 536
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D.M. Whittaker, T.A. Fisher, P.E. Simmonds, M.S. Skolnick, R.S. Smith, L.L. Taylor and S.J. Bass, Magnetic field induced indirect gap in a modulation doped quantum well 263 (1992) 549
J. Nunnenkamp, K. Reimann, J. Kuhl and K. Ploog, Kinetics of pressure induced Γ–χ electron transfer in a type-I superlattice 263 (1992) 553

B. Monemar, P.O. Holtz, P. Bergman, C.I. Harris, H. Kalt, M. Sundaram, J.L. Merz and A.C. Gossard, Effects of localization on optical spectra for shallow acceptors in center-doped GaAs/AlGaAs multiple quantum wells 263 (1992) 556
S. Huant, A. Mandray, G. Martinez, M. Grynberg and B. Etienne, Electronic properties of two-dimensional D^- centres 263 (1992) 565
U. Ekenberg and D. Richards, Utilization of a piezoelectric field in a one-sided-doped quantum well 263 (1992) 580
F. Bechstedt and H. Gerecke, Resonant decay of pair excitations of a 2D hole gas into optical phonons 263 (1992) 585
M. Potemski, Y.H. Zhang, M. Hausenblas, J.C. Maan, G. Martinez and K. Ploog, Filling factor dependent Landau level broadening studied with inter- and intraband magneto-optics in GaInAs/AlInAs MDQWs 263 (1992) 591
S. Sasaki and N. Miura, Magneto-optical investigation of energy band structure in $GaAs/Al_xGa_{1-x}As$ short period superlattices under pulsed high magnetic fields 263 (1992) 600
Y. Murayama and J.-i. Kasai, Experimental determination of effective mass within the energy gap 263 (1992) 604
K. Hirose and H. Kamimura, The electronic structures of a GaAs/AlAs Fibonacci superlattice 263 (1992) 609
W.E. Leitch, C.M. Sotomayor Torres, D. Lootens, S. Thoms, P. van Daele, C.R. Stanley, P. Demeester and S.P. Beaumont, Luminescence studies from wires of varying aspect ratio in GaAs/GaAlAs quantum wells 263 (1992) 622
J. Wagner, P. Ganser, K. Köhler, A. Fischer and K. Ploog, Fermi edge singularity and screening effects in the luminescence spectra of Si or Be δ-doped GaAs 263 (1992) 628
M. Fritze, W. Chen, W. Wałecki, A.V. Nurmikko, J.M. Hong and L.L. Chang, Fermi-edge singularities as probes of a two-dimensional electron gas in GaAs heterostructures 263 (1992) 633
M. Dahl, D. Heiman, A. Pinczuk, B.B. Goldberg, L.N. Pfeiffer and K.W. West, Time-resolved optical recombination in the quantum Hall regime 263 (1992) 638
A. Fujiwara, S. Fukatsu, Y. Shiraki and R. Itoh, Observation of resonant electron capture in AlGaAs/GaAs quantum well structures 263 (1992) 642
P.E. Simmonds, M.S. Skolnick, T.A. Fisher, K.J. Nash and R.S. Smith, Many body resonant polaron interaction in quantum wells containing high densities of free carriers 263 (1992) 646
M. Besson, E. Gornik, G. Böhm and G. Weimann, Screening effects in the cyclotron resonance of 2D electrons in GaAs/AlGaAs heterostructures and single quantum wells 263 (1992) 650

Germanium

F.F. Fang, P.J. Wang, B.S. Meyerson, J.J. Nocera and K.E. Ismail, Two-dimensional hole gas in Si/SiGe heterostructures 263 (1992) 175
L.J. Geerligs, The frequency-locked turnstile device for single electrons 263 (1992) 396

Hall effect

L.W. Engel, T. Sajoto, Y.P. Li, D.C. Tsui and M. Shayegan, Studies of the reentrant insulating phase around the $\frac{1}{5}$ FQH liquid: I–V curves, noise, RF bias 263 (1992) 44
S.V. Kravchenko, J.A.A.J. Perenboom and V.M. Pudalov, Evidence for two-dimensional electron solid in Si inversion layers 263 (1992) 55
H.A. Fertig and S. Das Sarma, Behavior of electrons at soft edges in the fractional quantum Hall and Wigner crystal states 263 (1992) 60
J.K. Jain, Strongly correlated fractional quantum Hall states: description in terms of weakly interacting composite fermions 263 (1992) 65

R. Meisels, F. Kuchar, J.J. Harris and C.T. Foxon, Microwave response of quasi-particles in the FQHE 263 (1992) 76
A.G. Davies, R. Newbury, M. Pepper, J.E.F. Frost, D.A. Ritchie and G.A.C. Jones, The fractional quantum Hall effect in high mobility two-dimensional hole gases 263 (1992) 81
S. He, X.C. Xie and S. Das Sarma, Fractional quantum Hall effect in thick layers and double quantum well systems 263 (1992) 87
P.F. Fontein, P. Hendriks, F.A.P. Blom, J.H. Wolter, L.J. Giling and C.W.J. Beenakker, Spatial potential distribution in $GaAs/Al_xGa_{1-x}As$ heterostructures under quantum Hall conditions studied with the linear electro-optic effect 263 (1992) 91
U. Klass, W. Dietsche, K. von Klitzing and K. Ploog, Image of the dissipation in gated quantum Hall effect samples 263 (1992) 97
J. Wakabayashi, Hall effect and localization in the Landau subbands of Si inversion layers 263 (1992) 100
S. Koch, R.J. Haug, K. von Klitzing and K. Ploog, Direct measurement of critical exponents in the quantum Hall regime 263 (1992) 108
A. Hartland, K. Jones, J.M. Williams, T. Galloway, B.L. Gallagher, C.R.H. White and M. Henini, A direct comparison of the quantized Hall resistance in high critical current gallium arsenide and silicon devices 263 (1992) 112
C.T. Van Degrift, K. Yoshihiro, M.E. Cage, D. Yu, K. Segawa, J. Kinoshita and T. Endo, Anomalously offset quantized Hall plateaus in high-mobility Si-MOSFETs 263 (1992) 116
B. Huckestein, B. Kramer and L. Schweitzer, Characterization of the electronic states near the centres of the Landau bands under quantum Hall conditions 263 (1992) 125
T. Ohtsuki, Y. Ono and B. Kramer, Electronic states in disordered layered systems in the quantum Hall regime 263 (1992) 134
H. Aoki, The quantum Hall effect in anomalous band structures 263 (1992) 137
P. Matthews, M.J. Kelly, D.G. Hasko, H. Ahmed, J.E.F. Frost, D.A. Ritchie and G.A.C. Jones, Interactions between hot injected electrons and the cold electrons in the two-dimensional electron gas base of a vertical hot electron transistor 263 (1992) 141
X.-m. Feng, J.J. Mares, M.E. Raikh, F. Koch, D. Grützmacher and A. Kohl, Magnetotransport in planar doping structures 263 (1992) 147
Y.W. Suen, J. Jo, M.B. Santos, L.W. Engel and M. Shayegan, Magnetostransport properties of double-layer systems in wide single quantum wells 263 (1992) 152
C.A. Richter, R.G. Wheeler and R.N. Sacks, Overshoot of quantum Hall plateaus 263 (1992) 270
L.W. Molenkamp, M.J.P. Brugmans, H. van Houten, C.W.J. Beenakker and C.T. Foxon, Selective backscattering and the breakdown of the quantum Hall effect 263 (1992) 288
K. Ensslin, S. Sasa, T. Deruelle and P.M. Petroff, Anisotropic electron transport through a rectangular antidot lattice 263 (1992) 319
G. Kirczenow, Quantum Hall and transmission resonances of quantum dot arrays: a possible spectroscopy of Hofstadter butterflies 263 (1992) 330

Heterostructures

A.J. Turberfield, S.R. Haynes, P.A. Wright, R.A. Ford, R.G. Clark, J.F. Ryan, J.J. Harris and C.T. Foxon, Optical spectroscopy of correlated phases of degenerate two-dimensional electrons 263 (1992) 1
H.W. Jiang, H.L. Stormer, D.C. Tsui, L.N. Pfeiffer and K.W. West, Transport measurements on the electronic phases around $\nu = 1/5$ Landau level filling 263 (1992) 18
F.I.B. Williams, G. Deville, D.C. Glattli, P.A. Wright, E.Y. Andrei, R.G. Clark, B. Etienne, C.T. Foxon and J.J. Harris, Wigner solid in random field: rigidity, pinning frequency and conduction threshold 263 (1992) 23

I.V. Kukushkin, N.J. Pulsford, K. von Klitzing, K. Ploog and V.B. Timofeev, Magnetooptics of the incompressible Fermi liquid and of the Wigner solid 263 (1992) 30
M. Hayne, M.K. Ellis, A.S. Plaut, A. Usher and K. Ploog, Temperature dependence of the luminescence from a two-dimensional electron system in the Wigner solid regime 263 (1992) 39
L.W. Engel, T. Sajoto, Y.P. Li, D.C. Tsui and M. Shayegan, Studies of the reentrant insulating phase around the $\frac{1}{5}$ FQH liquid: I–V curves, noise, RF bias 263 (1992) 44
S.W. Hwang, J.A. Simmons, D.C. Tsui and M. Shayegan, Quasiparticle charge of 1/3 FQH liquid from resistance fluctuation measurements 263 (1992) 72
R. Meisels, F. Kuchar, J.J. Harris and C.T. Foxon, Microwave response of quasi-particles in the FQHE 263 (1992) 76
A.G. Davies, R. Newbury, M. Pepper, J.E.F. Frost, D.A. Ritchie and G.A.C. Jones, The fractional quantum Hall effect in high mobility two-dimensional hole gases 263 (1992) 81
P.F. Fontein, P. Hendriks, F.A.P. Blom, J.H. Wolter, L.J. Giling and C.W.J. Beenakker, Spatial potential distribution in GaAs/Al_xGa_{1-x}As heterostructures under quantum Hall conditions studied with the linear electro-optic effect 263 (1992) 91
S. Koch, R.J. Haug, K. von Klitzing and K. Ploog, Direct measurement of critical exponents in the quantum Hall regime 263 (1992) 108
A. Hartland, K. Jones, J.M. Williams, T. Galloway, B.L. Gallagher, C.R.H. White and M. Henini, A direct comparison of the quantized Hall resistance in high critical current gallium arsenide and silicon devices 263 (1992) 112
J.I. Lee, P.J. Stiles and M. Heiblum, Capacitively-coupled measurements on the frequency dependent diagonal magnetoconductance of a 2DEG in GaAs heterostructure in the quantum Hall regime 263 (1992) 120
H. Shao, H. Zheng and Y. Li, A new method for measuring the effective diffusion constant of two-dimensional electrons in the presence of magnetic fields 263 (1992) 167
F.F. Fang, P.J. Wang, B.S. Meyerson, J.J. Nocera and K.E. Ismail, Two-dimensional hole gas in Si/SiGe heterostructures 263 (1992) 175
P. Guéret, N. Blanc, R. Germann and H. Rothuizen, Vertical transport in Schottky-gated, laterally confined double-barrier quantum well heterostructures 263 (1992) 212
J. Spector, J.S. Weiner, H.L. Stormer, K.W. Baldwin, L.N. Pfeiffer and K.W. West, Ballistic electron optics 263 (1992) 240
C.A. Richter, R.G. Wheeler and R.N. Sacks, Overshoot of quantum Hall plateaus 263 (1992) 270
H. Nii, M. Ohsawa, S. Komiyama, S. Fukatsu, Y. Shiraki, R. Itoh and H. Toyoshima, Geometry-dependent resistances of two-dimensional electron gas at high magnetic fields 263 (1992) 275
L.W. Molenkamp, M.J.P. Brugmans, H. van Houten, C.W.J. Beenakker and C.T. Foxon, Selective backscattering and the breakdown of the quantum Hall effect 263 (1992) 288
G. Hein, P. Schneider, L. Schweitzer, F.J. Ahlers, L. Bliek, H. Nickel, R. Lösch and W. Schlapp, Influence of a constriction on the longitudinal resistance of a 2DEG: effects of electrical fields and edge states 263 (1992) 293
K. Ensslin, S. Sasa, T. Deruelle and P.M. Petroff, Anisotropic electron transport through a rectangular antidot lattice 263 (1992) 319
R.J. Haug, H. Munekata and L.L. Chang, One-dimensional electron transport on the surface channel of InAs quantum wells 263 (1992) 374
K. Ishibashi, Y. Aoyagi, S. Namba, Y. Ochiai, J.P. Bird and M. Kawabe, Conductance fluctuations in a narrow GaAs/AlGaAs split gate wire 263 (1992) 378
Y. Ochiai, T. Onishi, J.P. Bird, M. Kawabe, K. Ishibashi, Y. Aoyagi and S. Namba, Size effect in the low temperature magnetoresistance of narrow GaAs/AlGaAs wires 263 (1992) 388

L.P. Kouwenhoven, A.T. Johnson, N.C. van der Vaart, D.J. Maas, C.J.P.M. Harmans and C.T. Foxon, Quantized current in a quantum dot turnstile 263 (1992) 405
C. Pasquier, D.C. Glattli, U. Meirav, F.I.B. Williams, Y. Bin and B. Etienne, Coulomb blockade of tunneling in a 2D electron gas 263 (1992) 419
F.M. de Aguiar, D.A. Wharam, T. Heinzel, A. Lorke and J.P. Kotthaus, Gate-controlled conductance oscillations in small one-dimensional electron cavities 263 (1992) 428
I. Grodnensky, D. Heitmann and K. von Klitzing, Single-particle and many-body effects in the edge magnetoplasma excitations of a two-dimensional electron system 263 (1992) 467
R.J. Wilkinson, C.D. Ager and H.P. Hughes, Plasmon excitation by dual optical couplers 263 (1992) 475
J.A. Kash, M. Zachau, E.E. Mendez, J.M. Hong and T. Fukuzawa, Thermodynamics of excitons in coupled quantum wells 263 (1992) 502
A. Shimizu, T. Ogawa and H. Sakaki, Two-photon absorption spectra of low-dimensional semiconductors 263 (1992) 512
Y.J. Wang, B.D. McCombe and W. Schaff, Magnetic field induced metal–insulator transitions in modulation-doped multiple-quantum-well structures 263 (1992) 547
Y. Garini, E. Cohen, E. Ehrenfreund, A. Ron, K.K. Law, J.L. Merz and A.C. Gossard, Photoinduced intersubband absorption in n-type well- and barrier-doped quantum wells 263 (1992) 561
M. Lakrimi, C. López, R.W. Martin, G.M. Summers, G.M. Sundaram, K.S.H. Dalton, N.J. Mason, R.J. Nicholas and P.J. Walker, Piezoelectric control of doping and band structure in the crossed gap system GaSb/InAs 263 (1992) 575
M. Fritze, W. Chen, W. Wałecki, A.V. Nurmikko, J.M. Hong and L.L. Chang, Fermi-edge singularities as probes of a two-dimensional electron gas in GaAs heterostructures 263 (1992) 633
M. Dahl, D. Heiman, A. Pinczuk, B.B. Goldberg, L.N. Pfeiffer and K.W. West, Time-resolved optical recombination in the quantum Hall regime 263 (1992) 638
A. Fujiwara, S. Fukatsu, Y. Shiraki and R. Itoh, Observation of resonant electron capture in AlGaAs/GaAs quantum well structures 263 (1992) 642
M. Besson, E. Gornik, G. Böhm and G. Weimann, Screening effects in the cyclotron resonance of 2D electrons in GaAs/AlGaAs heterostructures and single quantum wells 263 (1992) 650

Indium antimonide

M.J. Yang, W.J. Moore, R.J. Wagner, J.R. Waterman, C.H. Yang, P.E. Thompson and J.L. Davis, Properties of 2D electrons and associated bound donors in delta-doped InSb 263 (1992) 595

Indium arsenide

T. Takamasu, N. Miura, K. Taira, K. Funato and H. Kawai, Quantum transport phenomena in InAs/GaSb/InAs tunneling devices under high magnetic fields 263 (1992) 217
R. Winkler, U. Kunze and U. Rössler, Tunneling spectroscopy of a 2DEG in InAs: experiment and theory 263 (1992) 222
R.J. Haug, H. Munekata and L.L. Chang, One-dimensional electron transport on the surface channel of InAs quantum wells 263 (1992) 374
L.V. Butov, V.D. Kulakovskii, T.G. Andersson, A. Forchel and D. Grützmacher, Many-body effects in dense electron–hole plasma in InGaAs QWs with simple and complex valence band 263 (1992) 457
D.M. Whittaker, T.A. Fisher, P.E. Simmonds, M.S. Skolnick, R.S. Smith, L.L. Taylor and S.J. Bass, Magnetic field induced indirect gap in a modulation doped quantum well 263 (1992) 549

M. Lakrimi, C. López, R.W. Martin, G.M. Summers, G.M. Sundaram, K.S.H. Dalton, N.J. Mason, R.J. Nicholas and P.J. Walker, Piezoelectric control of doping and band structure in the crossed gap system GaSb/InAs 263 (1992) 575
M. Potemski, Y.H. Zhang, M. Hausenblas, J.C. Maan, G. Martinez and K. Ploog, Filling factor dependent Landau level broadening studied with inter- and intraband magneto-optics in GaInAs/AlInAs MDQWs 263 (1992) 591
P.E. Simmonds, M.S. Skolnick, T.A. Fisher, K.J. Nash and R.S. Smith, Many body resonant polaron interaction in quantum wells containing high densities of free carriers 263 (1992) 646
A.P. Dmitriev, S.A. Emelyanov, S.V. Ivanov, P.S. Kop'ev, Ya.V. Terent'ev and I.D. Yaroshetsky, Photon-drag current in 2DEG in the vicinity of cyclotron resonance and its first subharmonic 263 (1992) 659

Indium phosphide
X.-m. Feng, J.J. Mares, M.E. Raikh, F. Koch, D. Grützmacher and A. Kohl, Magnetotransport in planar doping structures 263 (1992) 147

Infrared spectroscopy
V.A. Chitta, R.E.M. de Bekker, J.C. Maan, S.J. Hawksworth, J.M. Chamberlain, M. Henini and G. Hill, Far infrared response of double barrier resonant tunneling structures 263 (1992) 227
S. Katayama, Far-infrared transmission spectra of laterally confined 2D plasma in quantum wires: influence of a magnetic field 263 (1992) 359
R.J. Wilkinson, C.D. Ager and H.P. Hughes, Plasmon excitation by dual optical couplers 263 (1992) 475
T. Ogawa and T. Takagahara, Excitonic absorption spectra and Sommerfeld factors of one-dimensional systems 263 (1992) 506
M. Helm, F.M. Peeters, F. DeRosa, E. Colas, J.P. Harbison and L.T. Florez, Infrared spectroscopy of subbands, minibands, and donors in GaAs/AlGaAs superlattices 263 (1992) 518
Y.J. Wang, B.D. McCombe and W. Schaff, Magnetic field induced metal–insulator transitions in modulation-doped multiple-quantum-well structures 263 (1992) 547
Y. Garini, E. Cohen, E. Ehrenfreund, A. Ron, K.K. Law, J.L. Merz and A.C. Gossard, Photoinduced intersubband absorption in n-type well- and barrier-doped quantum wells 263 (1992) 561
S. Huant, A. Mandray, G. Martinez, M. Grynberg and B. Etienne, Electronic properties of two-dimensional D^- centres 263 (1992) 565

Luminescence
A.J. Turberfield, S.R. Haynes, P.A. Wright, R.A. Ford, R.G. Clark, J.F. Ryan, J.J. Harris and C.T. Foxon, Optical spectroscopy of correlated phases of degenerate two-dimensional electrons 263 (1992) 1
B.B. Goldberg, D. Heiman, A. Pinczuk, L.N. Pfeiffer and K.W. West, Magneto-optics in the integer and fractional quantum Hall and electron solid regimes 263 (1992) 9
I.V. Kukushkin, N.J. Pulsford, K. von Klitzing, K. Ploog and V.B. Timofeev, Magnetooptics of the incompressible Fermi liquid and of the Wigner solid 263 (1992) 30
M. Hayne, M.K. Ellis, A.S. Plaut, A. Usher and K. Ploog, Temperature dependence of the luminescence from a two-dimensional electron system in the Wigner solid regime 263 (1992) 39
A.S. Plaut, H. Lage, P. Grambow, D. Heitmann, K. von Klitzing and K. Ploog, Direct magneto-optical observation of a quantum confined one-dimensional electron gas 263 (1992) 341

J.M. Calleja, A.R. Goñi, B.S. Dennis, J.S. Weiner, A. Pinczuk, S. Schmitt-Rink, L.N. Pfeiffer, K.W. West, J.F. Müller and A.E. Ruckenstein, Optical singularities of the one-dimensional electron gas in semiconductor quantum wires 263 (1992) 346
L.V. Butov, V.D. Kulakovskii, T.G. Andersson, A. Forchel and D. Grützmacher, Many-body effects in dense electron–hole plasma in InGaAs QWs with simple and complex valence band 263 (1992) 457
C.I. Harris, H. Kalt, B. Monemar and K. Köhler, Screening and correlation effects in degenerately center doped GaAs/AlGaAs single quantum wells 263 (1992) 462
G.E.W. Bauer, Magnetic-field-induced excitonic instability in the 2D electron gas 263 (1992) 482
D.R. Yakovlev, I.N. Uraltsev, W. Ossau, G. Landwehr, R.N. Bicknell-Tassius, A. Waag and S. Schmeusser, Two-dimensional exciton magnetic polaron in semimagnetic quantum wells 263 (1992) 485
B. Deveaud, F. Clérot, N. Roy, B. Sermage and D.S. Katzer, Enhanced radiative recombination of free excitons in GaAs quantum wells 263 (1992) 491
A. Zrenner, P. Leeb, J. Schäfer, G. Böhm, G. Weimann, J.M. Worlock, L.T. Florez and J.P. Harbison, Indirect excitons in coupled quantum well structures 263 (1992) 496
J.A. Kash, M. Zachau, E.E. Mendez, J.M. Hong and T. Fukuzawa, Thermodynamics of excitons in coupled quantum wells 263 (1992) 502
F. Hirler, R. Küchler, R. Strenz, G. Abstreiter, G. Böhm, J. Smoliner, G. Tränkle and G. Weimann, Spatially direct and indirect optical transitions in shallow etched GaAs/AlGaAs quantum wires 263 (1992) 536
D.M. Whittaker, T.A. Fisher, P.E. Simmonds, M.S. Skolnick, R.S. Smith, L.L. Taylor and S.J. Bass, Magnetic field induced indirect gap in a modulation doped quantum well 263 (1992) 549
J. Nunnenkamp, K. Reimann, J. Kuhl and K. Ploog, Kinetics of pressure induced Γ–χ electron transfer in a type-I superlattice 263 (1992) 553
Y. Garini, E. Cohen, E. Ehrenfreund, A. Ron, K.K. Law, J.L. Merz and A.C. Gossard, Photoinduced intersubband absorption in n-type well- and barrier-doped quantum wells 263 (1992) 561
E. Deleporte, G. Peter, J.M. Berroir, C. Delalande, J.M. Hong and L.L. Chang, Temperature dependence of the magneto-optical properties of a CdTe/$Cd_{1-x}Mn_xTe$ multiquantum well structure 263 (1992) 570
M. Potemski, Y.H. Zhang, M. Hausenblas, J.C. Maan, G. Martinez and K. Ploog, Filling factor dependent Landau level broadening studied with inter- and intraband magneto-optics in GaInAs/AlInAs MDQWs 263 (1992) 591
S. Sasaki and N. Miura, Magneto-optical investigation of energy band structure in GaAs/$Al_xGa_{1-x}As$ short period superlattices under pulsed high magnetic fields 263 (1992) 600
Y. Murayama and J.-i. Kasai, Experimental determination of effective mass within the energy gap 263 (1992) 604
S.R. Haynes, R.A. Ford, A.J. Turberfield, P.A. Wright, R.G. Clark, J.F. Ryan, J.J. Harris and C.T. Foxon, Luminescence from the degenerate two-dimensional electrons at an ultrahigh mobility heterojunction 263 (1992) 614
T. Uenoyama and L.J. Sham, Effect of hole relaxation and uniaxial stress on luminescence polarization in quantum wells 263 (1992) 618
W.E. Leitch, C.M. Sotomayor Torres, D. Lootens, S. Thoms, P. van Daele, C.R. Stanley, P. Demeester and S.P. Beaumont, Luminescence studies from wires of varying aspect ratio in GaAs/GaAlAs quantum wells 263 (1992) 622
J. Wagner, P. Ganser, K. Köhler, A. Fischer and K. Ploog, Fermi edge singularity and screening effects in the luminescence spectra of Si or Be δ-doped GaAs 263 (1992) 628
M. Fritze, W. Chen, W. Wałecki, A.V. Nurmikko, J.M. Hong and L.L. Chang, Fermi-edge singularities as probes of a two-dimensional electron gas in GaAs heterostructures 263 (1992) 633

M. Dahl, D. Heiman, A. Pinczuk, B.B. Goldberg, L.N. Pfeiffer and K.W. West, Time-resolved optical recombination in the quantum Hall regime 263 (1992) 638
A. Fujiwara, S. Fukatsu, Y. Shiraki and R. Itoh, Observation of resonant electron capture in AlGaAs/GaAs quantum well structures 263 (1992) 642
P.E. Simmonds, M.S. Skolnick, T.A. Fisher, K.J. Nash and R.S. Smith, Many body resonant polaron interaction in quantum wells containing high densities of free carriers 263 (1992) 646

Magnetic measurements

A.J. Turberfield, S.R. Haynes, P.A. Wright, R.A. Ford, R.G. Clark, J.F. Ryan, J.J. Harris and C.T. Foxon, Optical spectroscopy of correlated phases of degenerate two-dimensional electrons 263 (1992) 1
B.B. Goldberg, D. Heiman, A. Pinczuk, L.N. Pfeiffer and K.W. West, Magneto-optics in the integer and fractional quantum Hall and electron solid regimes 263 (1992) 9
H.W. Jiang, H.L. Stormer, D.C. Tsui, L.N. Pfeiffer and K.W. West, Transport measurements on the electronic phases around $\nu = 1/5$ Landau level filling 263 (1992) 18
F.I.B. Williams, G. Deville, D.C. Glattli, P.A. Wright, E.Y. Andrei, R.G. Clark, B. Etienne, C.T. Foxon and J.J. Harris, Wigner solid in random field: rigidity, pinning frequency and conduction threshold 263 (1992) 23
I.V. Kukushkin, N.J. Pulsford, K. von Klitzing, K. Ploog and V.B. Timofeev, Magnetooptics of the incompressible Fermi liquid and of the Wigner solid 263 (1992) 30
M. Hayne, M.K. Ellis, A.S. Plaut, A. Usher and K. Ploog, Temperature dependence of the luminescence from a two-dimensional electron system in the Wigner solid regime 263 (1992) 39
M. D'Iorio, J.W. Campbell, V.M. Pudalov and S.G. Semenchinsky, Transport properties of a 2D electron solid in Si-MOSFETs 263 (1992) 49
S.V. Kravchenko, J.A.A.J. Perenboom and V.M. Pudalov, Evidence for two-dimensional electron solid in Si inversion layers 263 (1992) 55
H.A. Fertig and S. Das Sarma, Behavior of electrons at soft edges in the fractional quantum Hall and Wigner crystal states 263 (1992) 60
S.W. Hwang, J.A. Simmons, D.C. Tsui and M. Shayegan, Quasiparticle charge of 1/3 FQH liquid from resistance fluctuation measurements 263 (1992) 72
J.I. Lee, P.J. Stiles and M. Heiblum, Capacitively-coupled measurements on the frequency dependent diagonal magnetoconductance of a 2DEG in GaAs heterostructure in the quantum Hall regime 263 (1992) 120
P. Matthews, M.J. Kelly, D.G. Hasko, H. Ahmed, J.E.F. Frost, D.A. Ritchie and G.A.C. Jones, Interactions between hot injected electrons and the cold electrons in the two-dimensional electron gas base of a vertical hot electron transistor 263 (1992) 141
A. Ohata and A. Toriumi, Magneto-transport study in restricted MOS inversion layers 263 (1992) 157
H. Shao, H. Zheng and Y. Li, A new method for measuring the effective diffusion constant of two-dimensional electrons in the presence of magnetic fields 263 (1992) 167
F.F. Fang, P.J. Wang, B.S. Meyerson, J.J. Nocera and K.E. Ismail, Two-dimensional hole gas in Si/SiGe heterostructures 263 (1992) 175
T.M. Fromhold, P.N. Butcher, G. Qin, B.G. Mulimani, J.P. Oxley and B.L. Gallagher, 180 Å phase shift of phonon drag magnetothermopower oscillations in high mobility 2DEGs 263 (1992) 183
R. Côté and A.H. MacDonald, Frequency-dependent conductivity of a pinned Wigner crystal 263 (1992) 187
M. Ikegami and Y. Nagaoka, Electron motion on a curved interface 263 (1992) 193

L. Eaves, R.K. Hayden, M.L. Leadbeater, D.K. Maude, E.C. Valadares, M. Henini, F.W. Sheard, O.H. Hughes, J.C. Portal and L. Cury, Resonant magnetotunneling spectroscopy: a direct probe of the complicated dispersion curves and negative mass behaviour of holes confined in a quantum well 263 (1992) 199
T. Takamasu, N. Miura, K. Taira, K. Funato and H. Kawai, Quantum transport phenomena in InAs/GaSb/InAs tunneling devices under high magnetic fields 263 (1992) 217
R. Winkler, U. Kunze and U. Rössler, Tunneling spectroscopy of a 2DEG in InAs: experiment and theory 263 (1992) 222
R.P. Taylor, A.S. Sachrajda, J.A. Adams, P. Zawadzki, P.T. Coleridge and M. Davies, Classical and quantum transmission effects in submicron-size dots 263 (1992) 247
S. Tarucha, Y.K. Fukai, Y. Hirayama and T. Saku, Ballistic electron propagation in macroscopic four-terminal structures and its gate controlled transmission and reflection 263 (1992) 253
J. Wróbel, F. Kuchar, K.E. Ismail, K.Y. Lee, H. Nickel and W. Schlapp, Quantized conductance of a quasi-ballistic one-dimensional wire 263 (1992) 261
S. Yamada, M. Yamamoto and K. Aihara, Quantum oscillations of transverse resistance in series and single point-contact configurations 263 (1992) 265
H. Nii, M. Ohsawa, S. Komiyama, S. Fukatsu, Y. Shiraki, R. Itoh and H. Toyoshima, Geometry-dependent resistances of two-dimensional electron gas at high magnetic fields 263 (1992) 275
G. Müller, E. Diessel, D. Weiss, K. von Klitzing, K. Ploog, H. Nickel, W. Schlapp and R. Lösch, Influence of interedge channel scattering on the magneto-transport of 2D-systems 263 (1992) 280
P.C. van Son, S.L. Wang and T.M. Klapwijk, Spin dependence of inter-edge-channel scattering in Si-MOSFETs in the quantum Hall regime 263 (1992) 284
G. Hein, P. Schneider, L. Schweitzer, F.J. Ahlers, L. Bliek, H. Nickel, R. Lösch and W. Schlapp, Influence of a constriction on the longitudinal resistance of a 2DEG: effects of electrical fields and edge states 263 (1992) 293
A.K. Geim(Heym), P.C. Main, P.H. Beton, P. Středa, L. Eaves, C.D.W. Wilkinson and S.P. Beaumont, Non-local magnetoresistance at the crossover between the classical and quantum transport regimes 263 (1992) 298
K. Oto, S. Takaoka, K. Murase, S. Suyama and T. Serikawa, Nonlocal Shubnikov–de Haas effect in Si-MOSFETs 263 (1992) 303
A. Lorke, Static and dynamic conductivity of lateral superlattices 263 (1992) 307
D. Weiss, A. Menschig, K. von Klitzing and G. Weimann, Magnetoresistance in a grid-type lateral superlattice: the role of disorder 263 (1992) 314
K. Ensslin, S. Sasa, T. Deruelle and P.M. Petroff, Anisotropic electron transport through a rectangular antidot lattice 263 (1992) 319
R.R. Gerhardts and D. Pfannkuche, Magnetoresistance oscillations of a 2DEG in a weak lateral superlattice: manifestation of "Hofstadter's butterfly" 263 (1992) 324
A.S. Plaut, H. Lage, P. Grambow, D. Heitmann, K. von Klitzing and K. Ploog, Direct magneto-optical observation of a quantum confined one-dimensional electron gas 263 (1992) 341
S. Katayama, Far-infrared transmission spectra of laterally confined 2D plasma in quantum wires: influence of a magnetic field 263 (1992) 359
R.J. Haug, H. Munekata and L.L. Chang, One-dimensional electron transport on the surface channel of InAs quantum wells 263 (1992) 374
K. Ishibashi, Y. Aoyagi, S. Namba, Y. Ochiai, J.P. Bird and M. Kawabe, Conductance fluctuations in a narrow GaAs/AlGaAs split gate wire 263 (1992) 378
Y. Ochiai, T. Onishi, J.P. Bird, M. Kawabe, K. Ishibashi, Y. Aoyagi and S. Namba, Size effect in the low temperature magnetoresistance of narrow GaAs/AlGaAs wires 263 (1992) 388

K. Tsubaki, T. Honda and Y. Tokura, Aharonov–Bohm effect under high magnetic field in a Corbino disk anti-dot channel 263 (1992) 392
C. Tejedor and J.J. Palacios, Scattering and Coulomb blockade in magnetotunneling across singly and multiply connected barriers in quasi-two-dimensional systems 263 (1992) 424
K. Karraï, X. Ying, H.D. Drew, M.B. Santos, M. Shayegan, S.-R.E. Yang and A.H. MacDonald, Magneto-rotons in wide parabolic quantum wells 263 (1992) 451
L.V. Butov, V.D. Kulakovskii, T.G. Andersson, A. Forchel and D. Grützmacher, Many-body effects in dense electron–hole plasma in InGaAs QWs with simple and complex valence band 263 (1992) 457
G.E.W. Bauer, Magnetic-field-induced excitonic instability in the 2D electron gas 263 (1992) 482
D.R. Yakovlev, I.N. Uraltsev, W. Ossau, G. Landwehr, R.N. Bicknell-Tassius, A. Waag and S. Schmeusser, Two-dimensional exciton magnetic polaron in semimagnetic quantum wells 263 (1992) 485
Y. Guldner, J. Manassès, J.P. Vieren, M. Voos and J.P. Faurie, Temperature dependent electronic properties of HgZnTe/CdTe superlattices 263 (1992) 541
Y.J. Wang, B.D. McCombe and W. Schaff, Magnetic field induced metal–insulator transitions in modulation-doped multiple-quantum-well structures 263 (1992) 547
D.M. Whittaker, T.A. Fisher, P.E. Simmonds, M.S. Skolnick, R.S. Smith, L.L. Taylor and S.J. Bass, Magnetic field induced indirect gap in a modulation doped quantum well 263 (1992) 549
S. Huant, A. Mandray, G. Martinez, M. Grynberg and B. Etienne, Electronic properties of two-dimensional D^- centres 263 (1992) 565
E. Deleporte, G. Peter, J.M. Berroir, C. Delalande, J.M. Hong and L.L. Chang, Temperature dependence of the magneto-optical properties of a $CdTe/Cd_{1-x}Mn_xTe$ multiquantum well structure 263 (1992) 570
M. Potemski, Y.H. Zhang, M. Hausenblas, J.C. Maan, G. Martinez and K. Ploog, Filling factor dependent Landau level broadening studied with inter- and intraband magneto-optics in GaInAs/AlInAs MDQWs 263 (1992) 591
M.J. Yang, W.J. Moore, R.J. Wagner, J.R. Waterman, C.H. Yang, P.E. Thompson and J.L. Davis, Properties of 2D electrons and associated bound donors in delta-doped InSb 263 (1992) 595
S. Sasaki and N. Miura, Magneto-optical investigation of energy band structure in $GaAs/Al_xGa_{1-x}As$ short period superlattices under pulsed high magnetic fields 263 (1992) 600
S.R. Haynes, R.A. Ford, A.J. Turberfield, P.A. Wright, R.G. Clark, J.F. Ryan, J.J. Harris and C.T. Foxon, Luminescence from the degenerate two-dimensional electrons at an ultrahigh mobility heterojunction 263 (1992) 614
M. Dahl, D. Heiman, A. Pinczuk, B.B. Goldberg, L.N. Pfeiffer and K.W. West, Time-resolved optical recombination in the quantum Hall regime 263 (1992) 638
P.E. Simmonds, M.S. Skolnick, T.A. Fisher, K.J. Nash and R.S. Smith, Many body resonant polaron interaction in quantum wells containing high densities of free carriers 263 (1992) 646
A.P. Dmitriev, S.A. Emelyanov, S.V. Ivanov, P.S. Kop'ev, Ya.V. Terent'ev and I.D. Yaroshetsky, Photon-drag current in 2DEG in the vicinity of cyclotron resonance and its first subharmonic 263 (1992) 659
P.W. Adams, The conductivity and mobility of 2D nondegenerate electrons in the strong localization regime 263 (1992) 663
Yu.P. Monarkha, Low-temperature features of quantum magnetoconductance of a two-dimensional electron gas on a liquid helium surface 263 (1992) 668
M.J. Lea, A.O. Stone, P. Fozooni, P.J.M. Peters, A.M.L. Janssen and R.W. van der Heijden, A new low frequency propagating mode in a 2DEG in a magnetic field 263 (1992) 677

Molybdenum
Y. Ono, Effect of probes in 2D electron systems with finite width subject to strong magnetic fields 263 (1992) 129

Noble gases
U. Klass, W. Dietsche, K. von Klitzing and K. Ploog, Image of the dissipation in gated quantum Hall effect samples 263 (1992) 97
P.W. Adams, The conductivity and mobility of 2D nondegenerate electrons in the strong localization regime 263 (1992) 663
Yu.P. Monarkha, Low-temperature features of quantum magnetoconductance of a two-dimensional electron gas on a liquid helium surface 263 (1992) 668
T. Kawaguchi, T. Ohtsuki and M. Saitoh, Two-ripplon processes of electrons on the liquid ^{4}He surface 263 (1992) 671
B. Lehndorff, C. Vossloh, T. Günzler and K. Dransfeld, Temperature dependent microwave absorption of electrons on helium films 263 (1992) 674
M.J. Lea, A.O. Stone, P. Fozooni, P.J.M. Peters, A.M.L. Janssen and R.W. van der Heijden, A new low frequency propagating mode in a 2DEG in a magnetic field 263 (1992) 677

Photoconductivity
J. Wróbel, F. Kuchar, K.E. Ismail, K.Y. Lee, H. Nickel and W. Schlapp, Quantized conductance of a quasi-ballistic one-dimensional wire 263 (1992) 261
G. Müller, E. Diessel, D. Weiss, K. von Klitzing, K. Ploog, H. Nickel, W. Schlapp and R. Lösch, Influence of interedge channel scattering on the magneto-transport of 2D-systems 263 (1992) 280
A.P. Dmitriev, S.A. Emelyanov, S.V. Ivanov, P.S. Kop'ev, Ya.V. Terent'ev and I.D. Yaroshetsky, Photon-drag current in 2DEG in the vicinity of cyclotron resonance and its first subharmonic 263 (1992) 659

Piezoelectric effect
M. Lakrimi, C. López, R.W. Martin, G.M. Summers, G.M. Sundaram, K.S.H. Dalton, N.J. Mason, R.J. Nicholas and P.J. Walker, Piezoelectric control of doping and band structure in the crossed gap system GaSb/InAs 263 (1992) 575
U. Ekenberg and D. Richards, Utilization of a piezoelectric field in a one-sided-doped quantum well 263 (1992) 580
T. Uenoyama and L.J. Sham, Effect of hole relaxation and uniaxial stress on luminescence polarization in quantum wells 263 (1992) 618

Quantum effects
A. Kumar, Self-consistent calculations on confined electrons in three-dimensional geometries 263 (1992) 335

Raman scattering
B. Jusserand, D. Richards, B. Etienne, H. Peric and G. Fasol, Electronic Raman scattering on highly doped single quantum wells 263 (1992) 527
H. Schneider, J. Wagner, K. Ploog and K. Fujiwara, Multiply resonant Raman scattering in Stark ladder superlattices 263 (1992) 531
B. Monemar, P.O. Holtz, P. Bergman, C.I. Harris, H. Kalt, M. Sundaram, J.L. Merz and A.C. Gossard, Effects of localization on optical spectra for shallow acceptors in center-doped GaAs/AlGaAs multiple quantum wells 263 (1992) 556

F. Bechstedt and H. Gerecke, Resonant decay of pair excitations of a 2D hole gas into optical phonons 263 (1992) 585

Selenium

P. Basmaji, A.C. Notari, B. Schrappe, M.H. Degani, L. Ioriatti and O. Hipólito, Tunneling spectroscopy and miniband structure of selenium delta-doped GaAs 263 (1992) 231

Semiconductors

T. Ogawa and T. Takagahara, Excitonic absorption spectra and Sommerfeld factors of one-dimensional systems 263 (1992) 506

Silicon

M. D'Iorio, J.W. Campbell, V.M. Pudalov and S.G. Semenchinsky, Transport properties of a 2D electron solid in Si-MOSFETs 263 (1992) 49

S.V. Kravchenko, J.A.A.J. Perenboom and V.M. Pudalov, Evidence for two-dimensional electron solid in Si inversion layers 263 (1992) 55

J. Wakabayashi, Hall effect and localization in the Landau subbands of Si inversion layers 263 (1992) 100

A. Hartland, K. Jones, J.M. Williams, T. Galloway, B.L. Gallagher, C.R.H. White and M. Henini, A direct comparison of the quantized Hall resistance in high critical current gallium arsenide and silicon devices 263 (1992) 112

C.T. Van Degrift, K. Yoshihiro, M.E. Cage, D. Yu, K. Segawa, J. Kinoshita and T. Endo, Anomalously offset quantized Hall plateaus in high-mobility Si-MOSFETs 263 (1992) 116

A. Ohata and A. Toriumi, Magneto-transport study in restricted MOS inversion layers 263 (1992) 157

A. Hartstein, Conductance in ultra-short channel Si MOSFETs 263 (1992) 162

F.F. Fang, P.J. Wang, B.S. Meyerson, J.J. Nocera and K.E. Ismail, Two-dimensional hole gas in Si/SiGe heterostructures 263 (1992) 175

P.C. van Son, S.L. Wang and T.M. Klapwijk, Spin dependence of inter-edge-channel scattering in Si-MOSFETs in the quantum Hall regime 263 (1992) 284

K. Oto, S. Takaoka, K. Murase, S. Suyama and T. Serikawa, Nonlocal Shubnikov–de Haas effect in Si-MOSFETs 263 (1992) 303

C. de Graaf, J.W.G. Wildöer, J. Caro, S. Radelaar and K. Heyers, Variable range hopping via a small number of localized states in nanometer scale MOSFETs 263 (1992) 409

J. Wagner, P. Ganser, K. Köhler, A. Fischer and K. Ploog, Fermi edge singularity and screening effects in the luminescence spectra of Si or Be δ-doped GaAs 263 (1992) 628

Superlattices

P. Matthews, M.J. Kelly, D.G. Hasko, H. Ahmed, J.E.F. Frost, D.A. Ritchie and G.A.C. Jones, Interactions between hot injected electrons and the cold electrons in the two-dimensional electron gas base of a vertical hot electron transistor 263 (1992) 141

X.L. Lei, N.J.M. Horing and H.L. Cui, Superlattice Bloch electron conduction and negative differential mobility 263 (1992) 172

M.H. Degani and J.P. Leburton, A transport model for a two-dimensional lateral-surface-superlattice 263 (1992) 179

L. Eaves, R.K. Hayden, M.L. Leadbeater, D.K. Maude, E.C. Valadares, M. Henini, F.W. Sheard, O.H. Hughes, J.C. Portal and L. Cury, Resonant magnetotunneling spectroscopy: a direct probe of the complicated dispersion curves and negative mass behaviour of holes confined in a quantum well 263 (1992) 199

A. Lorke, Static and dynamic conductivity of lateral superlattices 263 (1992) 307
D. Weiss, A. Menschig, K. von Klitzing and G. Weimann, Magnetoresistance in a grid-type lateral superlattice: the role of disorder 263 (1992) 314
R.R. Gerhardts and D. Pfannkuche, Magnetoresistance oscillations of a 2DEG in a weak lateral superlattice: manifestation of "Hofstadter's butterfly" 263 (1992) 324
R.J. Haug, J.M. Hong and K.Y. Lee, Electron transport through one quantum dot and through a string of quantum dots 263 (1992) 415
M. Helm, F.M. Peeters, F. DeRosa, E. Colas, J.P. Harbison and L.T. Florez, Infrared spectroscopy of subbands, minibands, and donors in GaAs/AlGaAs superlattices 263 (1992) 518
H. Schneider, J. Wagner, K. Ploog and K. Fujiwara, Multiply resonant Raman scattering in Stark ladder superlattices 263 (1992) 531
Y. Guldner, J. Manassès, J.P. Vieren, M. Voos and J.P. Faurie, Temperature dependent electronic properties of HgZnTe/CdTe superlattices 263 (1992) 541
J. Nunnenkamp, K. Reimann, J. Kuhl and K. Ploog, Kinetics of pressure induced Γ–χ electron transfer in a type-I superlattice 263 (1992) 553
S. Huant, A. Mandray, G. Martinez, M. Grynberg and B. Etienne, Electronic properties of two-dimensional D^- centres 263 (1992) 565
E. Deleporte, G. Peter, J.M. Berroir, C. Delalande, J.M. Hong and L.L. Chang, Temperature dependence of the magneto-optical properties of a CdTe/$Cd_{1-x}Mn_xTe$ multiquantum well structure 263 (1992) 570
S. Sasaki and N. Miura, Magneto-optical investigation of energy band structure in $GaAs/Al_xGa_{1-x}As$ short period superlattices under pulsed high magnetic fields 263 (1992) 600
K. Hirose and H. Kamimura, The electronic structures of a GaAs/AlAs Fibonacci superlattice 263 (1992) 609
W.E. Leitch, C.M. Sotomayor Torres, D. Lootens, S. Thoms, P. van Daele, C.R. Stanley, P. Demeester and S.P. Beaumont, Luminescence studies from wires of varying aspect ratio in GaAs/GaAlAs quantum wells 263 (1992) 622

Surface phonons and adsorbate vibrations
A. Nogaret and J.C. Portal, Calculated contribution of localised LO phonon modes to the valley current of a double-barrier diode 263 (1992) 234
Y. Okuyama, T. Sakuma and N. Tokuda, Quantized thermoelectric power in the ballistic transport regime 263 (1992) 258
F.M. Peeters, X.-G. Wu, J.T. Devreese, M. Watts, R.J. Nicholas, D.F. Howell, L. van Bockstal, F. Herlach, C.J.G.M. Langerak, J. Singleton and A. Chevy, Resonant magnetopolaron coupling to both polar and neutral optical phonons in the layer compound InSe 263 (1992) 654

Surface plasmons
S. Nazin, K. Tevosyan and V. Shikin, Plasma oscillations in quasi-classical dots 263 (1992) 351
L. Wendler, R. Haupt and R. Pechstedt, Many-particle effects in quantum well wires: plasmon–phonon coupling and depolarization effects 263 (1992) 363
I. Grodnensky, D. Heitmann and K. von Klitzing, Single-particle and many-body effects in the edge magnetoplasma excitations of a two-dimensional electron system 263 (1992) 467
R.J. Wilkinson, C.D. Ager and H.P. Hughes, Plasmon excitation by dual optical couplers 263 (1992) 475
A.B. Dzyubenko and Y.E. Lozovik, Effect of quenched disorder on a two-dimensional classical Wigner crystal 263 (1992) 680

Tunneling
L. Eaves, R.K. Hayden, M.L. Leadbeater, D.K. Maude, E.C. Valadares, M. Henini, F.W. Sheard, O.H. Hughes, J.C. Portal and L. Cury, Resonant magnetotunneling spectroscopy: a direct probe of the complicated dispersion curves and negative mass behaviour of holes confined in a quantum well 263 (1992) 199
J. Smoliner, W. Demmerle, F. Hirler, E. Gornik, G. Böhm and G. Weimann, Tunneling processes between quantum wires and two-dimensional electron states 263 (1992) 207
T. Takamasu, N. Miura, K. Taira, K. Funato and H. Kawai, Quantum transport phenomena in InAs/GaSb/InAs tunneling devices under high magnetic fields 263 (1992) 217
R. Winkler, U. Kunze and U. Rössler, Tunneling spectroscopy of a 2DEG in InAs: experiment and theory 263 (1992) 222
V.A. Chitta, R.E.M. de Bekker, J.C. Maan, S.J. Hawksworth, J.M. Chamberlain, M. Henini and G. Hill, Far infrared response of double barrier resonant tunneling structures 263 (1992) 227
P. Basmaji, A.C. Notari, B. Schrappe, M.H. Degani, L. Ioriatti and O. Hipólito, Tunneling spectroscopy and miniband structure of selenium delta-doped GaAs 263 (1992) 231
L.J. Geerligs, The frequency-locked turnstile device for single electrons 263 (1992) 396
L.P. Kouwenhoven, A.T. Johnson, N.C. van der Vaart, D.J. Maas, C.J.P.M. Harmans and C.T. Foxon, Quantized current in a quantum dot turnstile 263 (1992) 405
C. Pasquier, D.C. Glattli, U. Meirav, F.I.B. Williams, Y. Bin and B. Etienne, Coulomb blockade of tunneling in a 2D electron gas 263 (1992) 419
C. Tejedor and J.J. Palacios, Scattering and Coulomb blockade in magnetotunneling across singly and multiply connected barriers in quasi-two-dimensional systems 263 (1992) 424
F.M. de Aguiar, D.A. Wharam, T. Heinzel, A. Lorke and J.P. Kotthaus, Gate-controlled conductance oscillations in small one-dimensional electron cavities 263 (1992) 428
M.P. Stopa, Charging energy and collective response of a quantum dot resonant tunneling device 263 (1992) 433
M.W. Dellow, C.J.G.M. Langerak, P.H. Beton, T.J. Foster, P.C. Main, L. Eaves, M. Henini, S.P. Beaumont and C.D.W. Wilkinson, Single electron tunnelling through a donor state in a gated resonant tunnelling device 263 (1992) 438
H. van Houten, Coulomb blockade oscillations in semiconductor nanostructures 263 (1992) 442